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**CERTIFICATE OF MAILING**

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B. C. Kunkel  
Attorney for Applicant(s)

**PATENT APPLICATION**  
Docket No.: 1001.2.2

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Kyle E. Powell, Mark B. Hurst, and Karl G. Merkley )

Serial No.: 09/733,449 )

Filing Date: December 07, 2000 )

For: Internet Content Delivery Acceleration System  
Employing a Hybrid Content Selection Scheme

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## **INFORMATION DISCLOSURE STATEMENT**

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Assistant Commissioner  
for Patents  
Washington, D.C. 20231

Sir:

This Information Disclosure Statement discloses information which has come to the attention of applicant and his attorneys and is being submitted so as to comply with the duty of disclosure set forth in 37 C.F.R. § 1.56. In accordance with 37 C.F.R. § 1.97(b), this Statement is being filed within three (3) months of the filing date of the above-identified application or before the mailing date of a first Action on the merits.

Neither applicant nor his attorneys make any representation that any information disclosed herein may be "prior art" within the meaning of that term under 35 U.S.C. §§ 102 or 103. Moreover, pursuant to 37 C.F.R. § 1.97, the filing of this Information Disclosure Statement shall not be construed as a representation that a search has been made or as an admission that the



Information cited herein is, or is considered to be, material to patentability as defined in 37

C.F.R. § 1.56(b).

In accordance with 37 C.F.R. § 1.98, this Information Disclosure Statement includes and  
is accompanied by:

1. A completed copy of Form PTO-1449 listing the patents, publications and other information being submitted for consideration; and
2. A legible copy of each patent, publication and other item of information in written form listed on the enclosed Form PTO-1449.

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NON-ENGLISH INFORMATION

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Pursuant to 37 C.F.R. § 1.98, following is a concise explanation of the relevance (as it is presently understood by the individual designated in 37 C.F.R. § 1.56(c) most knowledgeable about the content of the information), of each listed patent, publication or other information that is not in the English language. Respectfully submitted,

  
\_\_\_\_\_  
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Reg. No. 38,527  
Attorney for Applicant

Date: June 14, 2001

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LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT  (use several sheets if necessary)		SERIAL NO. 09/733,449	ATTORNEY DOCKET NO. 1001.2.2
		FILING DATE May 7, 2001	GROUP ART UNIT 2152
APPLICANT(S): Kyle E. Powell, Mark B. Hurst, Karl G. Merkley			

**REFERENCE DESIGNATION**      **U.S. PATENT DOCUMENTS**

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EXAMINE R INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS/ SUBCLASS	FILING DATE
	A1 4,807,224	02/21/89	Naron et al.	370/94	08/21/87
	A2 5,007,017	04/09/91	Kobayashi	364/900	04/06/87
	A3 5,079,767	01/07/92	Perlman	370/94.3	08/25/89
	A4 5,262,875	11/16/93	Mincer et al.	358/335	04/30/92
	A5 5,341,474	08/23/94	Gelman et al.	395/200	05/15/92
	A6 5,347,632	08/13/94	Filepp et al.	395/200	07/28/89
	A7 5,412,660	05/02/95	Chen et al.	370/110.1	09/10/93
	A8 5,442,771	08/15/95	Filepp et al.	395/650	11/26/93
	A9 5,506,902	04/09/96	Kubota	380/9	04/15/94
	A10 5,511,208	04/23/96	Boyles et al.	395/800	03/23/93
	A11 5,548,724	08/20/96	Akizawa et al.	395/200.03	03/21/94
	A12 5,572,643	11/05/96	Judson	395/793	10/19/95
	A13 5,583,997	12/10/97	Hart	395/200.15	06/01/95
	A14 5,588,005	12/24/96	Ali et al.	370/346	06/07/95
	A15 5,588,060	12/24/96	Aziz	380/30	06/10/94
	A16 5,592,511	01/07/97	Schoen et al.	375/220	01/29/96
	A17 5,592,626	01/07/97	Papdimitriou et al.	395/200.09	05/19/94
	A18 5,594,490	01/14/97	Dawson et al.	348/6	05/23/94
	A19 5,614,940	03/25/97	Cobbley et al.	348/7	10/21/94
	A20 5,619,654	08/08/97	Mukai et al.	395/200.09	07/01/94
	A21 5,625,864	04/29/97	Budow et al.	455/4.2	06/30/95
	A22 5,633,933	05/27/97	Aziz	380/30	07/15/96

<b>EXAMINER</b>	<b>DATE CONSIDERED</b>
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS/ SUBCLASS	FILING DATE	GROUP 2100
	A23	5,644,714	07/01/97	Kikinis	395/200.03	04/10/95	
	A24	5,649,103	07/15/97	Datta et al.	395/200.03	07/200.03	
	A25	5,657,450	08/12/97	Rao et al.	395/610	11/15/95	
	A26	5,659,615	08/19/97	Dillon	380/21	11/14/94	
	A27	5,689,648	11/18/97	Diaz et al.	395/226	01/31/92	
	A28	5,727,002	03/10/98	Miller et al.	371/32	01/16/96	
	A29	5,727,129	03/10/98	Barrett et al.	395/12	06/04/96	
	A30	5,727,159	03/10/98	Kikinis	395/200.76	04/10/96	
	A31	5,734,823	03/31/98	Saigh et al.	395/200.06	07/25/96	
	A32	5,737,619	04/07/98	Judson	395/761	09/09/96	
	A33	5,740,549	04/14/98	Reilly et al.	705/14	06/12/95	
	A34	5,745,754	04/28/98	Lagarde et al.	395/616	06/07/95	
	A35	5,748,736	05/05/98	Mittra	380/21	06/14/96	
	A36	5,752,246	05/12/98	Rogers et al.	707/10	06/07/95	
	A37	5,757,916	05/26/98	MacDoran et al.	380/25	10/06/95	
	A38	5,758,293	05/26/98	Frasier	455/556	03/06/96	
	A39	5,761,602	06/02/98	Wagner et al.	455/3.1	09/13/95	
	A40	5,761,663	06/02/98	Lagarde et al.	707/10	05/15/97	
	A41	5,768,539	06/16/98	Metz et al.	395/200.79	12/17/96	
	A42	5,781,909	07/14/98	Logan et al.	707/200	02/13/96	
	A43	5,793,813	08/11/98	Cleave	375/259	06/06/96	
	A44	5,793,964	08/11/98	Rogers et al.	395/200.32	06/07/95	
	A45	5,802,299	09/01/98	Logan et al.	395/200.48	02/13/96	
	A46	5,805,815	09/08/98	Hill	395/200.48	12/18/95	
	A47	5,805,824	09/08/98	Kappe	395/200.72	02/28/96	
	A48	5,987,233	11/16/99	Humphrey	395/200.47	03/16/98	
	A49	5,991,306	11/23/99	Burns et al.	370/429	08/26/96	
	A50	5,623,656	04/22/97	Lyons	395/610	12/15/94	

EXAMINER	DATE CONSIDERED

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	A51	5,434,994	07/18/95	Shaheen et al.	395/500	05/23/94
	A52	5,699,528	12/16/97	Hogan	395/240	10/31/95
	A53	5,740,164	04/14/98	Liron et al.	370/316	07/07/95
	A54	5,754,938	05/19/98	Herz et al.	455/4.2	10/31/95
	A55	5,774,660	06/30/98	Brendel et al.	395/200	08/05/96
	A56	6,141,333	10/31/00	Chavez	370/338	09/30/97
	A57	6,055,569	04/25/00	O'Brien et al.	709/223	01/27/98
	A58	5,797,001	08/18/98	Augenbraun et al.	395/609	09/26/96
	A59	5,935,207	08/10/99	Logue et al.	709/219	04/09/97
	A60	6,085,234	07/04/00	Pitts et al.	709/217	07/23/98
	A61	5,740,430	04/14/98	Rosenberg et al.	395/616	11/06/95
	A62	5,758,087	05/26/98	Aaker et al.	395/200	06/14/96
	A63	6,003,082	12/14/99	Gampper et al.	709/225	04/22/98
	A64	6,012,085	1/4/00	Yohe et al.	709/217	10/22/99
	A65	5,710,918	1/20/98	Lagarde et al.	395/610	06/07/95
	A66	5,721,908	2/24/98	Lagarde et al.	395/610	06/07/95

#### FOREIGN PATENT DOCUMENTS

EXAMINE R INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS/ SUBCLASS	TRANSLATION	
					YES	NO
	A67	WO99-48009	09/23/99	PCT	G06F 13/00	
	A68	WO00-42519	07/20/00	PCT	G06F 15/16	

#### NON-PATENT DOCUMENTS

EXAMINE R INITIAL		DOCUMENT (Including Author, Title, Source, and Pertinent Pages)
	A69	David Richardson, Conference Publication, Data Broadcasting-the ultimate push technology No. 447 September 12-16 1997, pp. 36-42

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).



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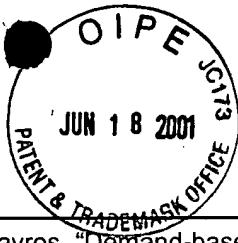
Page 4 of 1

	A70	Timothy Krout, Mark Solsman, and Joseph Goldstein, The Effects of Asymmetric Satellite Networks on Protocols, US Government Work, pp. 1072-1076.
	A71	Fred Bauer and Michael Brown, A Reliable Multicast Transport Protocol for a Global Broadcast Service-Based Network, Military Communications Conference, Nov.3-5 1997, pp. 988-992.
	A72	Jack Rickard, A Cache and Carry Internet, Boardwatch magazine, February 1998, pp. 1-7
	A73	Hughes Electronic Review, February 1998 Vol. 1 No. 2, pp. 1-12
	A74	DirecPC Will Deliver Wire Service Articles to the Desktop, Hughes Electronic Herald, August 25, 1995.
	A75	Steve Dorfmam, Hughes Electronic Review, Vol. 1 No. 4, pp.1-14.
	A76	K. Stathatos, N. Roussopoulos, and J.S. Baras, Adaptive Data Broadcasting Using Air-Cache, Technical Research Report September 1996.
	A77	Dr. Hisham El-Shishiny, Dr. Miriam J. Masullo, and Dr. Antonio Ruiz, A Regional Broadcast-Centric Education System, IEEE Symposium on Computers and Communications July 1-3, 1997.
	A78	Salvatore Salamone, Teleglobe, Intelsat Announce Multicasting, Caching Effort, e-business solutions, Today's News July 22, 1998.
	A79	CAPT J.M. Delpino, C.L. Leonard, A.D. Yarbrough, The Global Broadcast Service: A System Overview and Acquisition Summary.
	A80	Intellicom, Inc., Edge Connector, January 26, 2000.
	A81	Voice/Data Services, Intelsat, July 17, 1998.
	A82	E. Markatos er al. " A Top-10 Approach to Prefetching on the Web", Technical Report 173, ICS-Forth, August 1996
	A83	T. Loon et al., "Alleviating the Latency and Bandwidth Problems in WWW Browsing", Proceedings of the USENIX Symposium on Internet technologies and Systems, Monterey, CA, December 1997
	A84	James Gwertzman er al., "The Case for Geographical Push-Caching", VINO: The 1994 Fall Harvest, Harvard TR-34-94, December 1994.
	A85	WebCanal White Paper, Global Information Broadcast, last updated Dec. 31, 1997, page 8.
	A86	Yongguang Zhang, Dante De Lucia, Bo Ryu, Son K. Dao, Satellite Communications in the Global Internet: Issuer, Pitfalls, and Potential, INET 97 Kuala Lumpur, Malaysia, June 24-27, 1997.
	A87	James Gwertzman, Microsoft Corporation, Margo Seltzer, Harvard University, "An analysis of Geographical Push-Caching", 1997.
	A88	DARPA ITO Sponsored Research, 1997 Project Summary.

Group 2  
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JUN 13 2001

EXAMINER	DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).



RECEIVED

JUN 19 2001

Technology Center 2100

Page 5 of 1

	A89	A. Bestavros, "Demand-based Document Dissemination for the World Wide Web", Technical Report BUCS-TR-95-003, Boston University, CS Dept, Boston, MA 02215, February 1995
	A90	Lixia Zhang, Sally Floyd, and Van Jacobson, Adaptive Web Caching, April 25, 1997

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JUN 13 2001  
Group 2100

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).